

Tree: spreading like McIntosh with fewer suckers after pruning and hardier; blooms with McIntosh; moderately productive.

The following were developed by D.B. Perrine, Centralia, Illinois, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589099. *Malus domestica* Borkh.

Perrine Yellow Transparent. Pedigree - Yellow transparent bud mutation; discovered about 1930; intro. 1961. Comments:: Fruit: Indistinguishable from Yellow Transparent, except larger, 70-80 mm. Tree: smaller, more spreading than Yellow Transparent; periclinal cytochimera 2-4-4-4 and 2-2-4-4 (Proc. Amer. Soc. Hort. Sci. 53:197. 1949). Tetraploid Yellow Transparent. --R.D. Way, 1992.

The following were donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589100. *Malus domestica* Borkh.

Red Spitzenburg. Pedigree - Red-fruited mutation of Esopus Spitzenburg; discovered about 1940. Comments:: Fruit and tree indistinguishable from Esopus Spitzenburg, except fruit redder, 100% red. Red-fruited mutation of Esopus Spitzenburg. --R.D. Way, 1992. NOTE: The inventory GMAL 802.06 was indexed for three different viruses (SP, SG, CLS) and were found negative, 5/28/1992. However, symptoms suggest another virus present on Radiant indicator.

PI 589101. *Malus domestica* Borkh.

Sweet Bough. Pedigree - Unknown; Origin unknown; described by Cox in 1817. Comments:: Greenish yellow to yellowish white. Medium, large, 80 mm; juicy, tender flesh, honey sweet, eating quality fair. Harvest season late August, 5 wks before Delicious. Tree: productive; diploid (Proc.Am.Soc.Hort.Sci. 53:197.1949). Grown in Europe and USA (as Sweet Bough). Early, yellow-green, sweet. R.D. Way, 1993.

The following were developed by H. S. Loop, North East, Pennsylvania, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589102. *Malus domestica* Borkh.

Loop Russet Baldwin. Pedigree - Russet-fruited mutation of Baldwin; discovered about 1930; never introduced. Comments:: Fruit and tree indistinguishable from Baldwin, except fruit surface totally russeted; tends to revert to normal red fruits. Russet-fruited mutation of Baldwin.

The following were developed by Forest L. Colby, Enfield, New Hampshire, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589103. *Malus domestica* Borkh.

Colby Baldwin. Pedigree - A red-fruited mutation of Baldwin; discovered about 1916; tested by Stark Bros. Nursery; never introduced. Comments:: A red sport of Baldwin. Fruit and tree indistinguishable from Baldwin, except fruit 90% dull, very dark, nearly black blush, not attractive. R. D. Way, 1990.